

List of Presently Pending Claims

Please amend the claims as follows:

1-31. (Canceled)

32. (Currently Amended) A one-piece hollow cylindrical invertible elastomeric master, made by a method comprising ~~the steps of~~:

- (1) applying an effective amount of a liquid curable photosensitive medium to an external circumferential surface of an elongated cylindrical member defining a longitudinal axis and rotatable thereabout, and rotating the cylindrical member about its longitudinal axis, for forming substantially along the length and exterior circumferential surface thereof a seamless layer of curable photosensitive medium of substantially uniform radial dimension;
- (2) curing the layer of photosensitive medium on the elongated cylindrical member;
- (3) subjecting the cured layer of photosensitive medium substantially along the length and exterior circumferential surface thereof to a source of coherent light that has had preselected speckle imparted thereto and rotating the cylindrical member about its longitudinal axis, to expose the photosensitive medium and to produce an associated predetermined speckle pattern in the exposed photosensitive medium substantially along the length and exterior circumferential surface of the photosensitive medium on the cylindrical member in an irregular manner, whereupon the exposed photosensitive medium is subsequently able to be developed;

(4) developing the exposed photosensitive medium, for fixing the irregularly exposed areas of the photosensitive medium as physical microstructures in the medium;

(5) applying along the length and exterior circumferential surface of the developed photosensitive material an effective amount of a curable elastomeric liquid and curing the elastomeric liquid, to produce an elongated hollow cylindrical elastomeric member of predetermined radial dimension that is in intimate contact with the speckle pattern recorded in the photosensitive material, thereby producing in the elastomeric member a seamless light-shaping diffuser surface where the elastomeric member is in intimate contact with the speckle pattern, wherein the hollow cylindrical elastomeric member is invertible;

(6) separating the invertible hollow cylindrical elastomeric member from the developed photosensitive material having the speckle pattern recorded therein, whereupon the invertible hollow cylindrical elastomeric member has the seamless light-shaping diffuser surface substantially along the length and inner circumferential surface thereof; and

(7) inverting the hollow cylindrical elastomeric member, for presenting the seamless light-shaping diffuser surface substantially along the length and exterior circumferential surface thereof, thereby producing the hollow cylindrical elastomeric master.

33. (Previously Presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein the photosensitive medium has a radial thickness of about one-micron to about one hundred microns.

34. (previously presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein the photosensitive medium has a radial thickness of about thirty-five microns.
35. (Previously Presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein curing of the photosensitive medium is effected by baking said medium at elevated temperature for about forty minutes to about two hours.
36. (Previously Presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein curing of the photosensitive medium is effected by baking said medium at a temperature of about 90 degrees C for about one hour to about two hours.
37. (Previously Presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein curing of the photosensitive medium is effected by baking said medium at a temperature of about 65 degrees C for about one hour.
38. (Previously Presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein the exposed photosensitive medium is developed by contacting said medium with an effective amount of a 10 weight % aqueous developer solution for a period of time ranging from about thirty seconds to about one minute.
39. (Previously Presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein the elastomeric liquid is cured by subjecting said elastomeric liquid to room temperature for a time period of about twenty-four hours.
40. (Previously Presented) The one-piece hollow cylindrical invertible elastomeric master of claim 32, wherein the hollow cylindrical elastomeric member has a radial thickness of about 1/16 inches to about 1/8 inches.